Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/20/2017 10:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124488	-1	1.07	124375	1.05
Blue	F	SSC	125000	123592	-2	2.18	124045	2.03
Blue	E	FITC	23795	23183	-3	2.31	1029	10.34
Blue	D	PE	29673	29049	-3	1.80	1044	9.82
Blue	B	PerCP-Cy5-5	48943	48062	-2	3.18	1379	17.16
Blue	A	PE-Cy7	44112	43994	-1	4.85	678	36.34
Red	C	APC	54273	53451	-2	2.63	3106	9.56
Red	A	APC-Cy7	54945	54421	-1	2.50	1124	11.27
Violet	B	V450	15756	14926	-6	3.45	716	8.40
Violet	A	V500	62569	61147	-3	3.29	2707	6.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19890	2.78	610	-4	N/A	N/A	Pass
Blue	F	SSC	61475	1.31	543	-3	N/A	N/A	Pass
Blue	E	FITC	117	38.75	548	-2	0.0203	155	Pass
Blue	D	PE	230	29.14	544	-2	0.1589	247	Pass
Blue	B	PerCP-Cy5-5	218	45.20	636	-3	0.0097	85	Pass
Blue	A	PE-Cy7	75	119.65	694	-5	0.0113	14	Pass
Red	C	APC	364	28.13	599	-1	0.0195	72	Pass
Red	A	APC-Cy7	125	40.18	579	-5	0.0054	1445	Pass
Violet	B	V450	87	38.94	471	-1	0.0499	1632	Pass
Violet	A	V500	198	21.09	500	1	0.0151	157	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.26	-31.03	0.88
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.01	13.27 - 19.91	N/A	N/A	31.42	31.65	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 16157

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments